



UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/636,477	04/23/96	LOWERY	02577.P001

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EXAMINER

KRICK, R

ART UNIT	PAPER NUMBER
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2782

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DATE MAILED:

12/31/97

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
08/636,477

Applicant(s)
LOWERY et al

Examiner
Rehana Perveen

Group Art Unit
2317



☒ Responsive to communication(s) filed on Oct 7, 1997

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-16 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-7 and 11-16 is/are rejected.

☒ Claim(s) 8 and 9 is/are objected to.

☒ Claims 10 are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2782

Response to Amendment

1. Claims 1 and 16 have been amended by applicant's amendment (A) filed on 07 October 1997. The following rejections now apply.

Election/Restriction

2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-9 and 11-16, drawn to system and method for managing and routing requests, classified in class 395, subclass 200.68.
 - II. Claim 10, drawn to method for managing and recreating a site at a new location, classified in class 395, subclass 200.53.
3. Claims 1-9 and 11-16 are being considered in this application in order to expedite prosecution of this application.
4. Claims 8 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten

Art Unit: 2782

in independent form including all of the limitations of the base claim and any intervening claims.

5. Claims 1-7 and 11-16 are rejected under 35 U.S.C. § 103 as being unpatentable over Irwin et al, patent no. 5,404,527.

6. As to claim 11, Irwin et al teach the claimed invention substantially as claimed, including a data processing ['DP'] as claimed, comprising: one or more data sources (computer systems 50 or 60, fig. 1, col. 3 lines 52-62), a page server having a processing means (computer system 50 or 60, fig. 1 col. 3 lines 52-54), a first computer system including generation means for a request (PC 20, 30, or 40, fig. 1, col. 3 lines 32-35 and 48-51), a second computer system including receiving means for the request from the first computer (interface processor 10, fig. 1, col. 3 lines 50-54), the second computer system (interface processor) also including a router (intercept means) for routing the request from the second computer system to the page server (col. 3 lines 52-62 and col. 13 lines 23-34), the page server receiving the request and releasing the second computer

Art Unit: 2782

system to process other requests (inherently, interface processor is able to process other requests, col. 13 lines 35-42), the page server processing means processing the request and dynamically generating a response to the request (providing boot services, col. 14 lines 22-27), and the response including data dynamically retrieved from the one or more data sources (col. 13 lines 35-42).

7. However, Irwin et al do not **explicitly** teach a WWW system implementing the disclosed invention.
8. It would have been obvious for one of ordinary skill in the art at the time of the invention to modify teachings of Irwin et al and implement it into a WWW environment because using Irwin et al's request processing system in a WWW system would have increased efficiency and throughput of existing WWW systems.
9. As to claim 12, Irwin et al teach the router includes an interceptor intercepting the request at the second computer system and routing the request (interceptor means in interface processor and routing to selected computer

Art Unit: 2782

system, fig. 1, col. 13 lines 23-34), and the router also includes a dispatcher receiving the routed request from the interceptor and dispatching the request to the page server (sending means for the formatted request, col. 13 lines 31-34).

10. As to independent claim 13, Irwin et al teach a server receiving a request, and intercepting means for intercepting the request and routing the request from the server to another server (col. 13 lines 11-42).

11. As to independent claim 14, Irwin et al teach a server including receiving means for a request, processing means for the request (col. 13 lines 31-42), and maintaining means for a connection cache to one or more data sources (virtual disk, col. 3 lines 55-62).

12. As to claim 15, Irwin et al teach processing means for the request further includes dynamically retrieving means for data from the one or more data sources (fig. 1, col. 3 lines 55-62).

Art Unit: 2782

13. Claims 1-7 are the corresponding method claims and claim 16 is the corresponding computer-readable medium claim of claims 11-15, and therefore, are rejected under the same rationale. Amended claims 1 and 16 further include limitation that the page server (computer system) processes the request concurrently with Web server (PC) servicing other requests, which is also taught by Irwin et al (inherently, concurrent processing is taking place, col. 13 lines 35-42)
14. Further references of interest are cited on Form PTO-892 which is an attachment to this office action.
15. Applicant's arguments with respect to claims 1-7 and 11-16 have been considered but are deemed to be moot in view of the new grounds of rejection.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 308-9051, (for formal communications
intended for entry)

Art Unit: 2782

Or:

(703) 308-5359 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rehana Perveen, whose telephone number is (703) 305-8476. The examiner can normally be reached Monday through Friday from 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee, can be reached at (703) 305-9717. The fax phone number for this Group is (703) 308-5359.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9600.



Rehana Perveen
December 16, 1997